

## TITLE 22, CHAPTER 15

## ARTICLE 3. PRIMARY STANDARDS – BACTERIOLOGICAL QUALITY

**Section 64423.1. Sample analysis and reporting of results**

(a) The water supplier shall designate (label) each sample as routine, repeat, replacement, or "other" pursuant to Section 64421(b), and have each sample analyzed for total coliform. The supplier also shall require the laboratory to analyze the same sample for fecal coliform or *Escherichia coli* (*E. coli*) whenever the presence of total coliform is indicated. As a minimum, the analytical results shall be reported in terms of the presence or absence of total or fecal coliform, or *E. coli* in the sample, whichever is appropriate.

(b) The water supplier shall require the laboratory to notify the supplier within 24 hours, whenever the presence of total coliform, fecal coliform or *E. coli* is demonstrated in a sample or a sample is invalidated due to interference problems, pursuant to Section 64425(b)~~–~~, and shall ensure that a contact person is available to receive these analytical results 24-hours a day. The water supplier shall also require the laboratory to immediately notify the Department of any positive bacteriological results if the laboratory cannot make direct contact with the designated contact person within 24 hours.

(c) Analytical results of all required samples collected for a system in a calendar month shall be reported to the Department not later than the tenth day of the following month, as follows:

(1) The water supplier shall submit a monthly summary of the bacteriological monitoring results to the Department.

(2) For systems serving fewer than 10,000 service connections or 33,000 persons, the water supplier shall require the laboratory to submit copies of all required bacteriological monitoring results directly to the Department.

(3) For systems serving more than 10,000 service connections, or 33,000 persons, the water supplier shall require the laboratory to submit copies of bacteriological monitoring results for all positive routine samples and all repeat samples directly to the Department.

(d) Laboratory reports shall be retained by the water supplier for a period of at least five years and shall be made available to the Department upon request.

Note: Authority cited: Sections ~~208 and 4023.3~~100275 and 116375, Health and Safety Code. Reference: Section ~~4024~~116385, Health and Safety Code.

## ARTICLE 4. PRIMARY STANDARDS – INORGANIC CHEMICALS

### Section 64432.1. Monitoring and compliance - nitrate and nitrite

(a) To determine compliance with the MCL for nitrate in Table 64431-A, all public water systems using groundwater and transient-noncommunity systems using approved surface water shall monitor annually, and all community and nontransient-noncommunity systems using approved surface water shall monitor quarterly.

(1) The water supplier shall require the laboratory to notify the supplier within 24 hours, whenever the level of nitrate in a single sample exceeds the MCL, and shall ensure that a contact person is available to receive such analytical results 24-hours a day. The water supplier shall also require the laboratory to immediately notify the Department of any acute nitrate MCL exceedance if the laboratory cannot make direct contact with the designated contact person within 24 hours. Within 24 hours after thisof notification, the water supplier shall:

(A) Collect another sample, and

(B) Analyze the new sample; if the average of the two nitrate sample results exceeds the MCL, report the result to the Department within 24 hours. If the average does not exceed the MCL, inform the Department of the results within seven days from the receipt of the original analysis.

(C) If a system is unable to resample within 24 hours, it shall notify the consumers in accordance with Section 64465 and shall collect and analyze a confirmation sample within two weeks of notification of the results of the first sample.

(2) For public water systems using groundwater, the repeat monitoring frequency shall be quarterly for at least one year following any one sample in which the concentration is greater than or equal to 50 percent of the MCL. After four consecutive quarterly samples are less than the MCL, a system may request that the Department reduce monitoring frequency to annual sampling.

(3) For public water systems using approved surface water, the repeat monitoring frequency shall be quarterly following any one sample in which the concentration is greater than or equal to 50 percent of the MCL. After four consecutive quarterly samples are less than 50 percent of the MCL, a system may request that the Department reduce monitoring frequency to annual sampling. A system using approved surface water shall return to quarterly monitoring if any one sample is greater than or equal to 50 percent of the MCL.

(4) After any round of quarterly sampling is completed, each community and nontransient-noncommunity system which initiates annual monitoring

shall take subsequent samples during the quarter which previously resulted in the highest analytical results.

(b) All public water systems shall monitor to determine compliance with the MCL for nitrite in Table 64431-A, by taking one sample at each sampling site during the compliance period beginning January 1, 1993.

(1) If the level of nitrite in a single sample is greater than the MCL, the water supplier shall proceed as for nitrate in accordance with paragraph (a)(1) of this section.

(2) The repeat monitoring frequency for systems with an analytical result for nitrite that is greater than or equal to 50 percent of the MCL shall be quarterly monitoring for at least one year. After four consecutive quarterly samples are less than the MCL, a system may request that the Department reduce monitoring frequency to annual sampling, collecting subsequent samples during the quarter which previously resulted in the highest analytical results.

(3) The repeat monitoring frequency for systems with an analytical result for nitrite that is less than 50 percent of the MCL shall be one sample during each compliance period (every three years).

(c) All public water systems shall determine compliance with the MCL for nitrate plus nitrite in Table 64431-A. If the level exceeds the MCL, the water supplier shall proceed as for nitrate in accordance with paragraphs (a)(1) through (a)(4) of this section.

Authority cited: Sections ~~208 and 4023.3~~[100275 and 116375](#), Health and Safety Code.  
Reference: Section ~~4024~~[116385](#), Health and Safety Code.

## ARTICLE 18. RECORDS AND REPORTING

**Section 64451. Reporting requirements**

(a) Analytical results of all samples ~~received by the water supplier~~analyses completed in a calendar month shall be reported to the Department no later than the tenth day of the following month.

(b) ~~Analytical Results results from samples collected and analyzed~~of all sample analyses completed by water wholesalers in a calendar month shall be reported to retail customers and the Department no later than the tenth day of the following month.

(c) Analytical results shall be reported to the Department electronically in an electronic text file compatible with the American Standard Code for Information Interchange (ASCII) text file format.

Authority cited: Sections ~~208 and 4023.3~~100275 and 116375, Health and Safety Code.  
Reference: Section ~~4024~~116385, Health and Safety Code.

TITLE 22, CHAPTER 19  
ARTICLE 10. NOTIFICATION AND REPORTING

**Section 64819. Notification and Reporting**

(a) Laboratories certified for Field of Testing 1, 2, 3, 4, 5, or 6 shall confirm to the following reporting and notification requirements.

(1) Laboratories reporting bacterial quality results as required by Title 22, California Code of Regulations, Section 64423.1 shall submit a bacterial monitoring report including information required in Title 22, California Code of Regulations, Sections 64423.1(c)(2) and (c)(3) directly to the Department.

(2) The laboratory shall notify a water supplier's designated contact person as soon as possible, but within 24 hours, and record the method and time of notification or attempted notification, whenever any of the following occur:

(A) the ~~The~~ presence of total coliforms, fecal coliforms, or Escheria coli (E. coli) ~~are~~ is confirmed;

(B) ~~or a~~ A bacterial sample is invalidated due to an interference as defined in Title 22, California Code of Regulations, Section 64425(b).

(C) A nitrate sample exceeds the MCL.

(3) If the laboratory is unable to make direct contact with the supplier's designated contact person within 24 hours, pursuant to subparagraphs (2)(A) or (C), the laboratory shall immediately notify the Department and provide a written record of the time and method of attempted contacts.

(4) All analytical results conducted pursuant to Title 22, California Code of Regulations, Chapter 15, Domestic Water Quality and Monitoring, shall be reported directly to the Department electronically in an electronic text file compatible with the ASCII text file format by the 10<sup>th</sup> day of the month following the month in which the analyses were completed.

~~(3)~~(5) Whenever a laboratory is requested by a water supplier, pursuant to Title 22, California Code of Regulations, Section 64425(a)(2), to submit evidence invalidating a sample due to laboratory error, the laboratory shall provide the supplier with information which shall include:

(A) A letter from the Laboratory Director to the water supplier agreeing to the invalidation request by reason of laboratory accident or error;

(B) complete sample identification, laboratory sample log number (if used), date and time of collection, date and time of receipt by the laboratory, date and time of analysis for the sample(s) in question;

(C) complete description of the error alleged to have invalidated the result(s);

(D) copies of all analytical, operating, and quality assurance records pertaining to the incident in question; and

(E) any observations noted by the laboratory personnel when receiving and analyzing the sample(s) in question.

(b) Laboratories certified for Fields of Testing 20, 21, or 22 shall verify the identity and quantity of a pesticide residue before reporting the results. The confirmation procedures must conform to those in Section 64811(d) of this Chapter.

(c) In any arrangements between laboratories involving the transfer of samples, or portions of samples, the laboratory issuing the report of analyses shall include the original of any report(s) prepared by all other laboratories who are party to the agreement.

Authority cited: Sections [208100275](#), [4011100830](#), [4012100835](#), and [4023.3116375](#), Health and Safety Code.

Reference: Sections [4010\(b\)100825\(b\)](#) and [4012100835](#), Health and Safety Code.